## IRD CLASS FROM RTM

paragrap h_id	segment_ allocation	req_title	text	new clarification text
ASTER- 0010	SDPS   CSMS	Applicabi lity of ECS/SC F IRD	ECS and ASTER GDS shall conform to the IRD Between EOSDIS Core System and Science Computing Facilities with regard to the passing of data production software, and calibration coefficients, data product-quality-assurance information and other data between the two systems in support of data production software development for standard ASTER data products.	
ASTER- 0020	SDPS	ASTER L1 Algorith ms to EDC DAAC	ASTER GDS shall have the capability to send and ECS (EDC DAAC) shall have the capability to receive all algorithms, source code, and documentation used by the ASTER GDS to process ASTER Level 0 data to Level 1 and higher level standard products.	
ASTER- 0030	SDPS	ECS ASTER Algorith ms to Japan	ECS (EDC DAAC) shall have the capability to send and ASTER GDS shall have the capability to receive all algorithms, source code, and documentation used by ECS to process ASTER Level 1 data to higher level products.	
ASTER- 0040	CSMS	LTSP to ASTER	ECS shall have the capability to send and ASTER GDS shall have the capability to receive EOS Long Term Science Plans.	
ASTER- 0045	CSMS	LTIPs to Japan	ECS shall have the capability to send and ASTER GDS shall have the capability to receive EOS Long Term Instrument Plans.	

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ASTER-	FOS	ASTER	ASTER GDS shall have the
0050		Data	capability to send and ECS shall
		Base	have the capability to receive
		Updates	requests for updates to the
		to EOC	ASTER operations data base.
ASTER-	FOS	EOC	ECS shall have the capability to
0060		data base	send and ASTER GDS shall
		updates	have the capability to receive an
		to	updated EOC operations data
		ASTER	base, containing at a minimum,
		ICC	spacecraft and instrument
			telemetry formats, limits, and
			associated information and
			ASTER instrument command
			formats and
			associated information.
ASTER-	SDPS	DAR	ASTER GDS shall have the
0100		constraint	
0100		S	have the capability to receive
		J S	information on ASTER
			instrument operations and
			constraints that may be
			applicable to DAR specification.
			The ASTER instrument
			constraint information shall
			include (at a minimum):
			a. descriptive information for the
			ASTER instrument
			b. default settings for instrument configurable parameters
			c.range of values for instrument
			configurable parameters
			d. instrument constraint
A CITED	appa	A COULD	information PGC 1 111 11 111 1111 1111 1111 1111 11
ASTER-	SDPS	ASTER	ECS shall have the capability to
0110		DARs to	send and ASTER GDS shall
		Japan	have the capability to receive
			DARs for the ASTER
			instrument. DARs shall contain
			the following information, at a
			minimum:
			a. Observation number
			b. Experimenter
			identification
			c. Experimenter address
			d. Investigation
			identification
			e. Scientific discipline
			f. Observation repetition
			period
			g. Tolerance in observation
			time
İ			h. User priority

ASTER-	SDPS	DAR	ASTER GDS shall have the	
0120		Status	capability to send and ECS shall	
0120		from	have the capability to receive	
		Japan	DAR status, when requested by	
		Jupun	ECS. DAR status shall include	
			such information as confirmation	
			or rejection of the DAR, and	
			notification of DAR scheduling	
			and completion, to include at a	
			minimum:	
			D . 1.2	
			a. Date and time b. Instrument ID	
			c. DAR ID	
			1	
			e. Implementation schedule f. If rejection, then the	
			reason for the rejection.	
ASTER-	SDPS	Requests	ECS shall have the capability to	
0130	SDFS	for DAR	send and ASTER GDS shall	
0130		Status		
		Status	have the capability to receive queries for the current status of	
			ASTER DARs which were	
			previously submitted to the ASTER GDS by ECS.	
ASTER-	FOS	EOC	ECS shall have the capability to	
0200	1.03	Planning	send and ASTER GDS shall	
0200		Aids to	have the capability to receive	
		Japan	planning aids (e.g., predicted	
		Japan	orbit data, and spacecraft	
			maneuver information).	
ASTER-	FOS	Instrume	ASTER GDS shall have the	ASTER Short-Term
0210	1 00	nt	capability to send and ECS shall	Schedules (STS) shall be
0210		Resource	have the capability to receive	delivered to the EOC in
		Profiles	ASTER instrument resource	"Instrument Resource
		to EOC	profiles and instrument resource	Profile" or "Instrument
		2.00	deviation lists (when a resource	Resource Deviation List"
			profile exists).	format.
ASTER-	FOS	Resource	ECS shall have the capability to	
0220		Conflict	send and ASTER GDS shall	
		Notificati	have the capability to receive a	
		on	notification when ASTER	
			instrument resource profile	
			information cannot be integrated	
			into the preliminary resource	
			schedule.	
			schedule.	

ASTER-	FOS	Prelimina	ECS shall have the capability to	
0230	1.03		send and ASTER GDS shall	
0230		ry		
		Resource	1 2	
		Schedule	preliminary resource schedule.	
			The preliminary	
			resource schedule shall include,	
			at a minimum, the following:	
			<ul> <li>a. Activity and DAR</li> </ul>	
			identifiers	
			b. Resource availability and	
			usage requirements	
			c. Time constraints	
			d. TDRSS schedule	
ASTER-	FOS	Instrume	ASTER GDS shall have the	ASTER One-Day
0240	1 05	nt	capability to send and ECS shall	Schedules (ODS) shall
0240		Activity	have the capability to receive	be delivered to the EOC
		Lists	instrument activity lists and	in "Instrument Activity
		Lists	instrument activity lists and instrument activity deviation lists	List" or "Instrument
			•	
			(when an activity list exists) and	Activity Deviation List"
ACTED	FOG	A .: .:	any updates thereto.	<u>format.</u>
ASTER-	FOS	Activity	ECS shall have the capability to	
0250		Conflict	send and ASTER GDS shall	
		Notificati	have the capability to receive a	
		ons	notification when the ASTER	
			instrument activities	
			cannot be integrated into the	
			detailed activity schedule.	
ASTER-	FOS	Detailed	ECS shall have the capability to	
0260		Activity	send and ASTER GDS shall	
		Schedule	have the capability to receive	
		S	detailed activity schedules and	
			any updates. The detailed	
			activity schedule shall include, at	
			a minimum, the following:	
			a. Instrument activities	
			b. Spacecraft activities necessary	
			to support all instrument	
			activities	
			c. All spacecraft activities	
			necessary for spacecraft	
			subsystem maintenance	
			d. Spacecraft resource	
			requirements for each activity	
			e. Traceability of instrument	
			activities to DARs	
	l		activities to DANS	

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I I	FOS	Instrume	ASTER GDS shall have the	
0300		nt	capability to send and ECS shall	
		Operatio	have the capability to receive,	
		ns	both electronically and by voice,	
		Coordina	information to	
		tion	facilitate, at a minimum, the	
			following:	
			a. Planning of coordinated	
			operations	
			b. Resolution of conflicts	
			c. Exchange of instrument status	
ASTER-	FOS	Instrume	ECS shall have the capability to	
0310	105	nt	send and ASTER GDS shall	
		Operatio	have the capability to receive,	
		ns	both electronically and by voice,	
		Coordina	information to	
		tion	facilitate, at a minimum, the	
		เเปน	following:	
			a. Planning of coordinated	
			operations	
			b. Resolution of conflicts	
4 00000	700		c. Exchange of instrument status	
1	FOS	"What-	ASTER GDS shall have the	
0340		if" Inputs	capability to send and ECS shall	
			have the capability to receive	
			"What-If" planning and	
			scheduling inputs.	
ASTER-	FOS	"What-	ECS shall have the capability to	
0350		if"	send and ASTER GDS shall	
		Results	have the capability to receive	
			"What-If" planning and	
			scheduling results.	
ASTER-	FOS	Comman	ECS shall have the capability to	
0410		d load	send and ASTER GDS shall	
		generatio	have the capability to receive	
		n status	command load generation status	
		II Status	information, including at a	
			minimum, the following:	
			a. Spacecraft Control Computer	
			(SCC)-stored command load	
			· · · · · · · ·	
			report  h. Integrated report having orbital	
			b. Integrated report having orbital	
			events, command execution	
			times, and TDRSS contacts with	
		<b>D</b> 1 1	candidate loads	
ASTER-	FOS	Real time	ASTER GDS shall have the	
0520		comman	capability to send and ECS shall	
		d groups	have the capability to receive real	
			time command groups requests.	

ASTER-	FOS	Instrume	ECS shall have the capability to	
0530		nt	send and ASTER GDS shall	
		comman	have the capability to receive	
		d uplink	instrument command uplink	
		status	status. Instrument command	
			uplink status shall include (at a	
			minimum):	
			a. receipt of the command group	
			at the EOC	
			b.validation status at the EOC	
			c. receipt of the command at the	
ASTER-	FOS	Pre-	AM-1 spacecraft ASTER GDS shall have the	
0540	103	planned	capability to send and ECS shall	
0340		comman	have the capability to receive pre-	
		d groups	planned command groups.	
ASTER-	FOS	Instr.	ECS shall have the capability to	
0550		contingen	· · · · · · · · · · · · · · · · · · ·	
		cy cmd	have the capability to receive	
		notif.	instrument command notification	
			when ECS issues	
			emergency/contingency ASTER	
			command groups.	
ASTER-	FOS	Instrume	ASTER GDS shall have the	
0570		nt Status	capability to send and ECS shall	
		Data	have the capability to receive	
ACTED	EOC	Cassanaf	ASTER instrument status data.	
ASTER- 0580	FOS	Spacecraf t Status	ECS shall have the capability to send and ASTER GDS shall	
0380		to Japan	have the capability to receive	
		to Japan	AM-1 spacecraft status data.	
ASTER-	FOS	Mission	ECS shall have the capability to	
0590		Status	send and ASTER GDS shall	
		Reports	have the capability to receive	
		1 1	mission status reports.	
ASTER-	SDPS	Instrume	ASTER GDS shall have the	
0600		nt history	capability to send and ECS shall	
		log	have the capability to receive	
			instrument history log data and	
	a===	ļ <u>.</u>	associated metadata.	
ASTER-	SDPS	Level 1a	ASTER GDS shall have the	
0700		delivery	capability to send and ECS	
		to EDC	(EDC DAAC) shall have the	
			capability to receive Level 1a data	
			products, including associated ancillary data, metadata, and	
			browse.	
	<u> </u>		UIUWSC.	

ASTER-	SDPS	Quick	ASTER GDS shall have the	
1	6 106	_		
0710		look	capability to send and ECS	
		products	(EDC DAAC) shall have the	
		from	capability to receive Quick Look	
		Japan	Level 1 (TBD) data products,	
			including associated ancillary	
			data, metadata, and browse.	
			[TBR]	
ASTER-	SDPS	O/A	ECS shall have the capability to	
0730		<u>Orbit</u>	send and ASTER GDS shall	
		data	have the capability to receive	
		anomaly	orbit/attitude data anomaly	
		notificati	notifications.	
		ons		
ASTER-	SDPS	Repaired/	ECS shall have the capability to	
0740		refined	send and ASTER GDS shall	
" ! "		orbit data	have the capability to receive	
		oron data	repaired/refined orbit data	
			provided to ECS by the GSFC	
			Flight Dynamics Facility.	
ASTER-	SDPS	Danaina d/		
1	SDPS	Repaired/	ECS shall have the capability to	
0750		refined	send and ASTER GDS shall	
		attitude	have the capability to receive	
		data	repaired/refined attitude data	
			provided to ECS by the GSFC	
			Flight Dynamics Facility.	
ASTER-	SDPS	Data	ASTER GDS shall have the	
0760		Avail.	capability to send and ECS shall	
		Schedule	have the capability to receive data	
		from	availability schedules for	
		Japan	ASTER GDS data	
		_	products which were requested	
			by ECS.	
ASTER-	SDPS	Data	ECS shall have the capability to	
0770		Avail.	send and ASTER GDS shall	
		Schedule	have the capability to receive data	
		to Japan	availability schedules for ECS	
			data products which were	
			requested by ASTER GDS.	
ASTER-	SDPS	Schedule	ECS shall have the capability to	
0780		adjudicati	send and ASTER GDS shall	
0,00		on to	have the capability to receive	
		Japan	schedule adjudication data.	
ASTER-	SDPS	Schedule	ASTER-GDS shall have the	
0790	פועם	1		
<del>0/30</del>		adjudicati	capability to send and ECS shall	
		on from	have the capability to receive	
	<u> </u>	Japan	schedule adjudication data.	

ASTER-	SDPS	Depende	ECS shall have the capability to	
0800		nt Valids	send and ASTER GDS shall	
0800		1		
		to Japan	have the capability to receive	
			dependent valids information	
			related to ECS data	
			products.	
ASTER-	SDPS	Depende	ASTER GDS shall have the	
0805		nt valids	capability to send and ECS shall	
		from	have the capability to receive	
		Japan	dependent valids information	
			related to ASTER GDS data	
			products.	
ASTER-	SDPS	Directory	ECS shall have the capability to	
0810		metadata	send and ASTER GDS shall	
		to Japan	have the capability to receive	
			directory metadata related to	
			ECS data products.	
ASTER-	SDPS	Directory	ASTER GDS shall have the	
0815	נוענן	metadata	capability to send and ECS shall	
0013		from	have the capability to receive	
		I	directory metadata related to	
		Japan		
ACTED	CDDC	T .	ASTER GDS data products.	
ASTER-	SDPS	Inventory	ECS shall have the capability to	
0820		Search to	send and ASTER GDS shall	
		Japan	have the capability to receive	
	2222	ļ	inventory search requests.	
ASTER-	SDPS	Guide	ECS shall have the capability to	
0825		search to	send and ASTER GDS shall	
		Japan	have the capability to receive	
			guide search requests.	
ASTER-	SDPS	Browse	ECS shall have the capability to	
0830		requests	send and ASTER GDS shall	
		to Japan	have the capability to receive	
		1	browse requests.	
ASTER-	SDPS	Inventory	ASTER GDS shall have the	
0835		search	capability to send and ECS shall	
		results	have the capability to receive	
		from	inventory data search results.	
		Japan		
ASTER-	SDPS	Guide	ASTER GDS shall have the	
0840		search	capability to send and ECS shall	
		results	have the capability to receive	
		from	guide search results.	
		Japan	guide scarcii iesuits.	
ASTER-	SDPS	Browse	ASTER GDS shall have the	
	פאמפן			
0845		results	capability to send and ECS shall	
		from	have the capability to receive	
		Japan	browse results.	

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ASTER-	SDPS	Inventory	ASTER GDS shall have the	
0850		search to	capability to send and ECS shall	
		ECS	have the capability to receive	
			inventory search requests.	
ASTER-	SDPS	Guide	ASTER GDS shall have the	
0855		search to	capability to send and ECS shall	
		ECS	have the capability to receive	
			guide search requests.	
ASTER-	SDPS	Browse	ASTER GDS shall have the	
0860		requests	capability to send and ECS shall	
		to ECS	have the capability to receive	
			browse requests.	
ASTER-	SDPS	Inventory	ECS shall have the capability to	
0865		results	send and ASTER GDS shall	
		from	have the capability to receive	
		ECS	inventory search results.	
ASTER-	SDPS	Guide	ECS shall have the capability to	
0870		results	send and ASTER GDS shall	
0070		from	have the capability to receive	
		ECS	guide search results.	
ASTER-	SDPS	Browse	ECS shall have the capability to	
0875		results	send and ASTER GDS shall	
0075		from	have the capability to receive	
		ECS	browse results.	
ASTER-	CSMS	Authentic		
0880	CSMS	ation	send and ASTER GDS shall	
0000		1	have the capability to receive user	
		request from	authentication requests for	
		ECS	ASTER GDS privileges of	
		ECS	EOSDIS users.	
ACTED	CCMC	A 41 4: -		
ASTER-	CSMS	Authentic		
0885		ation	capability to send and ECS shall	
		results to	have the capability to receive user	
		ECS	authentication information	
			specifying ASTER GDS	
A CALLD	CCMC	A 41	privileges for EOSDIS users.	
ASTER-	CSMS	Authentic		
0890		ation	capability to send and ECS shall	
		request to		
		ECS	authentication requests for ECS	
			privileges of ASTER GDS	
A G===	993.55		users.	
ASTER-	CSMS	Authentic	1 1 1	
0895		ation	send and ASTER GDS shall	
		results to	have the capability to receive user	
		Japan	authentication information	
			specifying ECS privileges for	
I			ASTER GDS users.	

ASTER-	SDPS	Product	ECS shall have the capability to	
0900	מושטן	requests	send and ASTER GDS shall	
0,00		to Japan	have the capability to receive	
		to Japan	product requests for ASTER	
			GDS data products.	
ASTER-	SDPS	Product	ECS shall have the capability to	
0905	SDES	generatio	send and ASTER GDS shall	
0903		n req. to	have the capability to receive	
		Japan	product generation requests for	
		Japan	ASTER GDS data	
			products. Product generation	
			requests will include an	
			associated product distribution	
			request.	
ASTER-	SDPS	Product	ASTER GDS shall have the	
0910		Delivery	capability to send and ECS shall	
		Status	have the capability to receive	
		from	product delivery status	
		Japan	information. Product delivery	
			status information contains the	
			following information, at a	
			minimum:	
			a. Requester identification	
			b. Request identification	
			c. Request status	
			d. If rejection, then the reason for	
			the rejection	
			e. If delayed longer than the latest	
			completion time specified by the	
			user, adjusted start and stop	
			times.	
ASTER-	SDPS	Product	ECS shall have the capability to	
0915		Del.	send and ASTER GDS shall	
		Status	have the capability to receive	
		Req. to	requests for product delivery	
		Japan	status.	
ASTER-	SDPS	Product	ASTER GDS shall have the	
0920		Requests	capability to send and ECS shall	
		from	have the capability to receive	
		Japan	product requests for ECS data	
		<u> </u>	products.	
ASTER-	SDPS	Product	ASTER GDS shall have the	
0925		Generatio	capability to send and ECS shall	
		n Req.	have the capability to receive	
		from	product generation requests for	
		Japan	ECS data products. Product	
			generation requests will include	
			an associated product distribution	
			request.	

ASTER-	SDPS	Product	ECS shall have the capability to	
0930		Del.	send and ASTER GDS shall	
		Status to	have the capability to receive	
		Japan	product delivery status	
		Japan	information. Product delivery	
			status information contains the	
			following information, at a	
			minimum:	
			a. Requester identification	
			b. Request identification	
			c. Request status	
			d. If rejection, then the reason for	
			the rejection	
			e. If delayed longer than the latest	
			completion time specified by the	
			user, adjusted start and stop	
			times.	
ASTER-	SDPS	Product	ASTER GDS shall have the	
0935	SDES	Del.	capability to send and ECS shall	
0933		Status	have the capability to receive	
			requests for product delivery	
		Req. from	status.	
			status.	
ASTER-	SDPS	Japan ECS	ECS shall have the capability to	
0940	SDFS	Data	ECS shall have the capability to send and ASTER GDS shall	
0940		Products		
		1	have the capability to receive	
		to Japan	Level 0 - Level 4 data products,	
			including associated ancillary,	
ASTER-	CDDC	ACTED	metadata, and browse.	
	SDPS	ASTER	ASTER GDS shall have the	
0945		GDS	capability to send and ECS shall	
		Data	have the capability to receive	
		Products	Level 1b - Level 4 ASTER data	
		to ECS	products, including	
			associated ancillary, metadata,	
ACTED	CDDC	A noillama	and browse.	
ASTER-	SDPS	Ancillary	ECS shall have the capability to	
0950		data to	send and ASTER GDS shall	
		Japan	have the capability to receive	
			ancillary data, including	
ACTED	CDDC	Com-1-4!	associated metadata.	
ASTER-	SDPS	Correlati	ECS shall have the capability to	
0955		ve data to	send and ASTER GDS shall	
		Japan	have the capability to receive	
			correlative data, including associated metadata.	

ASTER-	SDPS	Ancillary	ASTER GDS shall have the	
0960		data from	capability to send and ECS shall	
		Japan	have the capability to receive	
		1	ancillary data, including	
			associated metadata.	
ASTER-	SDPS	Correlati	ASTER GDS shall have the	
0965		ve data	capability to send and ECS shall	
		from	have the capability to receive	
		Japan	correlative data, including	
		•	associated metadata.	
ASTER-	CSMS	System	ECS shall have the capability to	
1000		<b>&amp;</b>	send and ASTER GDS shall	
		Network	have the capability to receive	
		Mgmt	ECS system and network	
		Info to	management information.	
		Japan	S	
ASTER-	CSMS	Req. for	ECS shall have the capability to	
1005		ASTER	send and ASTER GDS shall	
		network	have the capability to receive	
		mgmt	requests for ASTER GDS	
		info	network management	
			information.	
ASTER-	CSMS	System	ASTER GDS shall have the	
1010		& Netwk	capability to send and ECS shall	
		Mgmt	have the capability to receive	
		info from	ASTER GDS system and	
		Japan	network management	
			information.	
ASTER-	CSMS	network	ASTER GDS shall have the	
1015		mgmt	capability to send and ECS shall	
		info	have the capability to receive	
		request to	requests for ECS network	
		ECS	system management	
			information.	
ASTER-	CSMS	ESN	ECS shall provide (via GFP	
1020		connectio	PSCN circuits) the necessary	
		n to JPL	communications connections to	
		pickup	the ASTER designated pick up	
		point	points (at JPL) for the U.S.	
			Gateway for ESN (mission	
			success) communications.	
ASTER-	NONE	ASTER-	ASTER GDS shall provide the	
1030		to-Trans	necessary communications	
		Pacific	connections to the trans-Pacific	
		Link	link.	

ASTER-	CSMS	ESN	ECS shall provide protocol	
1040		services	translation (TBR), termination,	
10.0		at JPL	bridging, and routing for ESN	
		gateway	communications interfaces to the	
		garanaj	U.S. Gateway for ASTER GDS	
			communications.	
ASTER-	NONE	ASTER	ASTER GDS shall provide any	
1045	1,01,2	services	necessary protocol translation,	
13.5		at trans-	termination, bridging, and	
		Pac Link	routing for ASTER GDS	
			communications interfaces to the	
			trans-Pacific link for ECS	
			communications.	
ASTER-	FOS	ECS	ECS shall provide support for	
1060	SDPS	support	Transport Control	
	CSMS	of	Protocol/Internet Protocol	
		TCP/IP	(TCP/IP) [TBR]	
			communications protocols to the	
			U.S. Gateway for ASTER GDS	
			communications.	
ASTER-	NONE	ASTER	ASTER GDS shall provide	
1065		GDS	support for Transport Control	
		support	Protocol/Internet Protocol	
		of	(TCP/IP) [TBR]	
		TCP/IP	communications protocols to the	
			trans-Pacific link for ECS	
			communications.	
ASTER-	FOS	Security	The interface between ECS and	
<u>1080</u>	<u>CSMS</u>	•	ASTER GDS shall be compliant	
	SDPS		with the interface guidelines	
			identified in the ECS Security	
			Plan.	
ASTER-	SDPS	ECS	ECS functions shall have an	
2000	CSMS	RMA	operational availability	
	FOS		(computed as defined in the	
			Functional and Performance	
			Requirements Specification for	
			the EOSDIS Core System) of	
			0.96 at a minimum and a Mean	
			Down Time (MDT) of four (4)	
			hours or less, unless otherwise	
			specified.	

ASTER-	FOS	ECS	The ECS FOS shall have an	
2030	1 05	RMA for	operational availability of	
2030		real time	0.99925 at a minimum and a	
		functions	MDT of five (5) minutes or less	
		lunctions	for real time functions that	
			support: a. Launch	
			b. Early orbit checkout	
			c. Disposal	
			d. Orbit adjustment	
			e. Anomaly investigation	
			f. Recovery from safe mode	
			g. Routine real time	
			commanding and associated	
			monitoring for spacecraft and	
	FOG	EGG	instrument health and safety.	
ASTER-	FOS	ECS	The ECS FOS shall have an	
2040		RMA for	] 1	
		TOOs	at a minimum and a MDT of (1)	
			hour or less for functions	
			associated with Targets of	
			Opportunity (TOOs).	
ASTER-	SDPS	ECS	The ECS SDPS function of	
2060		RMA for	Ι ε	
		receiving	an operational availability of	
		science	0.999 at a minimum and an	
		data	MDT of two (2) hours or less.	
ASTER-	CSMS	ECS	The ECS function for gathering	
2080		RMA for	ξυ	
		mgmt	information shall have an	
		info	operational availability of .998 at	
			a minimum and an MDT of 20	
			minutes or less, for critical	
			services.	
ASTER-	NONE	ASTER	The ASTER GDS shall have an	
4000		GDS	operational availability of 0.96 at	
		RMA	a minimum and a Mean Down	
			Time (MDT) of four (4) hours	
			or less, unless otherwise	
			specified. [TBD]	
ASTER-	NONE	ASTER	The ASTER GDS shall have an	
4030		GDS	operational availability of	
		Real	0.99925 at a minimum and a	
	1	L.T.		
		Time RMA	MDT of five (5) minutes or less for real time functions. [TBD]	

ASTER-	NONE	ASTER	The ASTER GDS shall have an	
4040		GDS	operational availability of 0.992	
		RMA for	at a minimum and a MDT of (1)	
		TOOs	hour or less for functions	
			associated with	
			Targets of Opportunity (TOOs).	
			[TBD]	
ASTER-	NONE	ASTER	The ASTER GDS function of	
4060		GDS	receiving science data shall have	
		RMA:	an operational availability of	
		receiving	0.999 at a minimum and an	
		sci data	MDT of two (2) hours	
			or less. [TBD]	
ASTER-	NONE	ASTER	The ASTER GDS function for	
4080		GDS	gathering and disseminating	
		RMA for	management information shall	
		mgmt	have an operational availability of	
		info	.998 at a minimum and an MDT	
			of 20 minutes or less, for critical	
			services. [TBD]	
ASTER-	<u>SDPS</u>	Level 1a	The estimated volume of	
<u>5000</u>		<u>Volume</u>	ASTER Level 1a data sent from	
			the ASTER GDS to ECS is	
			131.472 GB/day.	
ASTER-	<u>SDPS</u>	Level 1b	The estimated volume of	
<u>5010</u>		<u>Volume</u>	ASTER Level 1b data sent from	
			the ASTER GDS to ECS is the	
			data volume that results when at	
			least 40% of the ASTER Level	
1			<u>1a data is processed to Level 1b.</u>	